



## TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

<b>Title V Permit Number</b>	<b>155-0065-TV</b>
<b>Client/ Sequence /Town/Premises Numbers</b>	<b>142/03/155/0015</b>
<b>Date Issued</b>	<b>February 1, 2005</b>
<b>Expiration Date</b>	<b>Five (5) years after issue date</b>

**Corporation:**

*CTG Resources*

**Premises Location:**

*1376 Cromwell Avenue, Rocky Hill, CT 06067-3411*

**Name of Responsible Official and Title:**

*Robert M. Allessio, Vice President Operating Services*

All the following attached pages, 2 through 33, are hereby incorporated by reference into this Title V Operating Permit.

GINA McCARTHY  
Gina McCarthy  
Commissioner

2/1/05  
Date

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## LIST OF ACRONYMS

<i>Acronym</i>	<i>Description</i>
acfm	Actual cubic feet per minute
ASC	Actual Stack Concentration
BACT	Best Available Control Technology
BAM	Bureau of Air Management
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CP/OP	Construction Permit/Operating Permit
CTG	Control Technology Guideline
DEP	Department of Environmental Protection
dscf	Dry standard cubic feet
dscm	Dry standard cubic meters
EU	Emission Unit
ERC	Emission Reduction Credit
EPA	Environmental Protection Agency
FLER	Full load emission rate
GEU	Grouped Emission Unit
gph	Gallons per hour
gpm	Gallons per minute
HAP	Hazardous Air Pollutant
HLV	Hazard Limiting Value
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MASC	Maximum Allowable Stack Concentration
MSDS	Material Safety Data Sheet
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen Oxides
NSR	New Source Review
PM	Particulate Matter
ppmv	Parts per million, volumetric basis
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
RCSA	Regulations of Connecticut State Agencies
RMP	Risk Management Plan
SIC	Source Identification Code
SIP	State Implementation Plan
TOC	Total Organic Carbon
tph	Tons per hour
tpy	Tons per year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound

## **Title V Operating Permit**

**All conditions in Sections III, IV, VI and VII of this permit are enforceable by both the Administrator and the Commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, VI and VII of this permit in accordance with the Clean Air Act (CAA), as amended.**

## **Section I: Premises Information/Description**

### **A. PREMISES INFORMATION**

Nature of Business: liquified natural gas (LNG) and liquified petroleum gas (LPG) production facility

Primary SIC: 4924

Other SIC:

Facility Mailing Address: 1376 Cromwell Avenue, Rocky Hill, CT 06067-3411

Telephone Number: (860) 563-0814

### **B. PREMISES DESCRIPTION**

CTG Resources, headquartered at 855 Main Street in Bridgeport, CT owns and operates a liquified natural gas (LNG) and liquified petroleum gas (LPG) production facility in Rocky Hill, CT under the name Connecticut Natural Gas (CNG) Corporation. The facility, located at 1376 Cromwell Avenue, is used to provide a backup supply of gas to fuel users in the event of a shortage. Eleven people are employed at this Rocky Hill facility. The facility is fully staffed during the first shift and operated by one or two employees during second and third shifts. The premises, includes two discrete facilities: the LNG plant and the smaller LPG plant.

## Section II: Emissions Unit Description

### A. EMISSIONS UNITS IDENTIFICATION: STANDARD OPERATING SCENARIO (SOS) AND ALTERNATIVE OPERATING SCENARIOS (AOS)

Emission units are set forth in Table II.A.1.

TABLE II.A.1: EMISSIONS UNIT DESCRIPTION			
Emissions Units	Emissions Unit Description	Control Unit Description	Permit, Order, or Registration Number*
EMU 1	Hispano Suiza #1203 Turbine	None	OP-155-0003
EMU 2	Waukesha L3711 Reciprocating Engine	Catalytic Converter	CP/OP-155-0010
EMU 3	Waukesha L3711 Reciprocating Engine	Catalytic Converter	CP/OP-155-0010
EMU 4	24-30 Liquefied Natural Gas Vaporizer	None	OP-155-0011
EMU 5	24-30 Liquefied Natural Gas Vaporizer	None	OP-155-0015
EMU 6	Liquefied Petroleum Gas Vaporizer 5MM 404	None	R-0029
EMU 7	White Natural Gas Reciprocating Engine 6G-825	None	R-0005
EMU 8	Solar Turbine GS-350 #1 Engine	None	R-0032
EMU 9	Solar Turbine GS-350 #2 Engine	None	R-0034
EMU 10	36-48-E Liquefied Natural Gas Vaporizer	None	CP/OP-155-0077

(\*) It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V Operating Permit.

## Section II: Emissions Unit Description

The permittee shall be allowed to operate under the following scenarios without notifying the Commissioner, provided that such operations are explicitly provided for and described in the table below. The permittee shall record contemporaneously, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises. There are no Alternate Operating Scenarios (AOS) for the premises.

<b>TABLE II.A.2: EMISSIONS UNIT IDENTIFICATION, SOS AND AOS</b>		
<b>Identification Of Operating Scenarios</b>	<b>Emissions Units Associated with the Scenarios</b>	<b>Description of Scenarios</b>
SOS 1	EMU1	All emissions units listed in Table II.A.1 are included in this SOS and shall be operated in accordance with applicable permit terms and conditions, and if not subject to permit terms and conditions, shall be operated in accordance with design specifications.
SOS 1	EMU2	
SOS 1	EMU3	CTG Resources, headquartered at 855 Main Street in Bridgeport, CT owns and operates a liquefied natural gas (LNG) and liquefied petroleum gas (LPG) production facility in Rocky Hill, CT under the name Connecticut Natural Gas (CNG) Corporation. The facility is used to provide a backup supply of gas to fuel users in the event of a shortage.
SOS 1	EMU4	
SOS 1	EMU5	
SOS 1	EMU6	CNG's Liquefied Natural Gas plant consists of three basic elements – a 14½ million gallon LNG storage tank, a processing plant, and a control center. The LNG processing plant has liquefying and vaporizing equipment that takes gas from the pipeline or by truck delivery during periods of low customer demand in the warm weather months and reduces it into a liquid form by dropping the temperature. The liquefied gas is stored in a large insulated tank and returned to a gaseous form in the winter months when needed.
SOS 1	EMU7	
SOS 1	EMU 8	
SOS 1	EMU 9	CNG's Liquefied Propane Gas (LPG) plant is adjacent to the larger LNG facility. It consists of storage tanks and vaporizing equipment. The processes used are basically the same as those described for the LNG plant. Maximum storage is maintained at the plant and the stored LPG is used to provide a supply of propane vapor-process air mix for peak shaving of the natural gas supply.
SOS 1	EMU10	
		The emissions units listed in this standard operating scenario (SOS) will be used for the operation of both the LNG plant and the LPG plant as described above.

## Section II: Emissions Unit Description

TABLE II.A.2: EMISSIONS UNIT IDENTIFICATION, SOS AND AOS		
Identification Of Operating Scenarios	Emissions Units Associated with the Scenarios	Description of Scenarios
AOS 1	EMU1, EMU 4, EMU 5, EMU 7, EMU 8, EMU 9, EMU 10	This scenario will be used in the event that CTG Resources sells the Liquefied Propane portion of the facility, retaining and operating only the equipment located at the Liquefied Natural Gas (LNG) Plant. The emissions units under this scenario will be operated exactly as in the standard operating scenario (SOS).

### Section III: Applicable Requirements and Compliance Demonstration

The following tables contain summaries of applicable regulations and compliance demonstration for each identified Emissions Unit and Operating Scenario, regulated by this permit.

#### A. EMISSIONS UNIT 1

Table III.A: EMISSION UNIT 1 (Hispano Suiza #1203 Gas Turbine)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1 AOS-1	Natural Gas	The natural gas use shall not exceed 81,800 cf/hr. The natural gas use shall not exceed 716.57 MMcf/yr	Permit 155-0003	A.1
SOS-1 AOS-1	TSP	The TSP emissions shall not exceed 0.10 lb/MMBtu	RCSA Section 22a-174-18(e)(1)	A.2
SOS-1 AOS-1	NO <sub>x</sub>	The NO <sub>x</sub> emissions shall not exceed 0.9 lb/MMBtu	RCSA Section 22a-174-22(e)	A.3

##### A.1 Natural Gas (EMU 1)

###### A.1.1 Monitoring and testing requirements

The Permittee shall base annual fuel consumption on 12 consecutive month's time determined by adding (for each fuel) the current month's fuel usage to that of the previous eleven (11) months. The Permittee shall make these calculations monthly. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

###### A.1.2 Record Keeping Requirements

The Permittee shall record monthly and annual fuel usage. The annual fuel usage shall be calculated by adding the current month's value to the previous eleven (11) months. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

###### A.1.3 Reporting Requirements

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

##### A.2 TSP (EMU 1)

A.2.1 The estimated natural gas emission factor for particulate matter is 0.047 lb/MMBTU. [Table 3.2-2 of AP-42, 5<sup>th</sup> edition]

##### A.3 NO<sub>x</sub> (EMU 1)

###### A.3.1 Monitoring and Testing Requirements

- a. The Permittee shall perform NO<sub>x</sub> stack emission testing by October 21, 2008. Subsequent tests shall be conducted thereafter at least once every five (5), calendar years. [RCSA Section 22-174-22(k)(1)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- b. Compliance with the emission limitations shall be determined based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA Section 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. [RCSA Section 22a-174-22(k)(1)]

#### **A.3.2 Record Keeping Requirements**

- a. The Permittee shall use monthly and annual records of fuel use to determine whether NOx emissions in any calendar year are in excess of fifty, (50) tons. [RCSA Section 22-174-22(l)(1)(C)]
- b. The Permittee shall maintain records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA Section 22-174-22(l)(1)(D)]
- c. The Permittee shall maintain copies of all documents submitted to the Commissioner pursuant to RCSA ' 22a-174-22. The Permittee shall maintain any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA Section 22a-174-22. [RCSA Section 22-174-22(l)(1)(D)]
- d. The Permittee shall maintain records of procedures for calculating monthly and annual NOx emissions. [RCSA Section 22-174-22(l)(1)(G)]
- e. The Permittee shall maintain records of the dates, times, and places of all emission testing required by RCSA Section 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA Section 22-174-22(l)(1)(H)]

#### **A.3.3 Reporting Requirements**

- a. The Permittee shall submit a written report to the Commissioner within thirty, (30) days of completion of emission tests conducted under the requirements of RCSA Section 22a-174-22(k)(1). [RCSA Section 22-174-22(l)(2)]
- b. The Permittee shall submit a report on NOx emissions, on a form provided by the Commissioner, on or before April 15 of each year. [RCSA Section 22-174-22(l)(6)]

### Section III: Applicable Requirements and Compliance Demonstration

#### B. EMISSIONS UNIT (EMU) 2, 3

Table III.B: EMISSION UNIT 2, 3 (Two identical Waukesha L3711 Reciprocating Engines)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS 1	Natural Gas	The natural gas use shall not exceed 2,025 cf/hr	Permit 155-0010	B.1
SOS-1	TSP	The TSP emissions shall not exceed 0.10 lb/MMBtu	RCSA Section 22a-174-18(e)(1)	B.2
SOS 1	NOx	The NOx emissions shall not exceed 2.5 grams per Brake Horsepower-Hr	Permit 155-0010	B.3

##### **B.1 Natural Gas (EMU 2,3)**

###### **B.1.1 Monitoring and testing requirements**

The Permittee shall base annual fuel consumption on 12 month's time determined by adding (for each fuel) the current month's fuel usage to that of the previous eleven (11) months. The Permittee shall make these calculations monthly. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

###### **B.1.2 Record Keeping Requirements**

The Permittee shall record monthly and annual fuel usage. The annual fuel usage shall be calculated by adding the current month's value to the previous eleven (11) months. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

###### **B.1.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

##### **B.2 TSP (EMU 2,3)**

B.2.1 Estimated natural gas emission factor for particulate matter is 0.047 lb/MMBTU. [Table 3.2-2 of AP-42, 5<sup>th</sup> edition]

##### **B.3 NOx (EMU 2,3)**

###### **B.3.1 Monitoring and testing requirements**

- The Permittee shall perform NOx stack emission testing by March 8, 2007 and subsequent tests shall be conducted at least once every five (5) years to demonstrate compliance with the 2.5 gr/BHP-Hr limit. [RCSA Section 22-174-22(k)(1)]
- Compliance with the emission limitations shall be determined based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA Section 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. [RCSA Section 22a-174-22(k)(1)]

### Section III: Applicable Requirements and Compliance Demonstration

#### B.3.2 Record Keeping Requirements

- a. The Permittee shall use monthly and annual records of fuel use to determine whether NOx emissions in any calendar year are in excess of fifty, (50) tons. [Permit 155-0010 Part II]
- b. The Permittee shall maintain records of all tune-ups, repairs, replacement of parts and other maintenance. [Permit155-0010 Part II]
- c. The Permittee shall maintain copies of all documents submitted to the Commissioner pursuant to RCSA Section 22a-174-22. The Permittee shall maintain any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA Section 22a-174-22. [Permit 155-0010 Part II]
- d. The Permittee shall maintain records of procedures for calculating monthly and annual NOx emissions. [Permit155-0010 Part II]
- e. The Permittee shall maintain records of the dates, times, and places of all emission testing required by RCSA Section 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [Permit155-0010 Part II]

#### B.3.3 Reporting Requirements

- a. The Permittee shall submit a written report to the Commissioner within thirty, (30) days of completion of emission tests conducted under the requirements of RCSA Section 22a-174-22(k)(1). [RCSA Section 22-174-22(l)(2)]
- b. The Permittee shall submit a report on NOx emissions, on a form provided by the Commissioner, on or before April 15 of each year. [RCSA Section 22-174-22(l)(6)]

### C. EMISSIONS UNIT 4, 5

Table III.C: EMISSION UNIT 4, 5 (Two identical 24-30 LNG Vaporizers)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1 AOS-1	Natural Gas	The natural gas use shall not exceed 21,450 cf/hr per unit The natural gas use shall not exceed 187.90 MMcf/yr per unit	Permit 155-0015	C.1
SOS-1 AOS-1	TSP	The TSP emissions shall not exceed 0.10 lb/MMBtu per unit	RCSA Section 22a-174-18(e)(1)	C.2
SOS-1 AOS-1	NOx	The NOx emissions shall not exceed 0.2 lb/MMBtu per unit	RCSA Section 22a-174-22(e)	C.3

## **Section III: Applicable Requirements and Compliance Demonstration**

### **C.1 Natural Gas (EMU 4,5)**

#### **C.1.1 Monitoring and testing requirements**

The Permittee shall base annual fuel consumption on 12 consecutive month's time determined by adding (for each fuel) the current month's fuel usage to that of the previous eleven (11) months. The Permittee shall make these calculations monthly. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

#### **C.1.2 Record Keeping Requirements**

The Permittee shall record monthly and annual fuel usage. The annual fuel usage shall be calculated by adding the current month's value to the previous eleven (11) months. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

#### **C.1.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

### **C.2 TSP (EMU 4,5)**

C.2.1 The estimated natural gas emission factor for particulate matter is 0.047 lb/MMBTU. [Table 3.2-2 of AP-42, 5<sup>th</sup> edition]

### **C.3 NO<sub>x</sub> (EMU 4,5)**

#### **C.3.1 Monitoring and Testing Requirements**

- a. The Permittee shall perform NO<sub>x</sub> stack emission testing by January 18, 2006 and subsequent tests shall be conducted thereafter at least once every five (5) years to demonstrate compliance with the 0.20 lb/MMBTU limit. [RCSA Section 22-174-22(k)(1)]
- b. Compliance with the emission limitations shall be determined based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA Section 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. [RCSA Section 22a-174-22(k)(1)]

#### **C.3.2 Record Keeping Requirements**

- a. The Permittee shall use monthly and annual records of fuel use to determine whether NO<sub>x</sub> emissions in any calendar year are in excess of fifty, (50) tons. [RCSA Section 22-174-22(l)(1)(C)]
- b. The Permittee shall maintain records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA Section 22-174-22(l)(1)(D)]
- c. The Permittee shall maintain copies of all documents submitted to the Commissioner pursuant to RCSA Section 22a-174-22. The Permittee shall maintain any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA Section 22a-174-22. [RCSA Section 22-174-22(l)(1)(D)]
- d. The Permittee shall maintain records of procedures for calculating monthly and annual NO<sub>x</sub> emissions. [RCSA Section 22-174-22(l)(1)(G)]

### Section III: Applicable Requirements and Compliance Demonstration

- e. The Permittee shall maintain records of the dates, times, and places of all emission testing required by RCSA Section 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA Section 22-174-22(l)(1)(H)]

#### C.3.3 Reporting Requirements

- a. The Permittee shall submit a written report to the Commissioner within thirty, (30) days of completion of emission tests conducted under the requirements of RCSA Section 22a-174-22(k)(1). [RCSA Section 22-174-22(l)(2)]
- b. The Permittee shall submit a report on NO<sub>x</sub> emissions, on a form provided by the Commissioner, on or before April 15 of each year. [RCSA Section 22-174-22(l)(6)]

### D. EMISSIONS UNIT 6

Table III.D: EMISSION UNIT 6 (LP Vaporizer 5MM 404)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1	Natural Gas	The natural gas use shall not exceed 48.18 MMcf/yr.	Registration 0029	D.1
SOS-1	TSP	The TSP emissions shall not exceed 0.10 lb/MMBtu	RCSA Section 22a-174-18(e)(2)(C)	D.2
SOS-1	NO <sub>x</sub>	The NO <sub>x</sub> emissions shall not exceed 0.2 lb/MMBtu	RCSA Section 22a-174-22(e)	D.3

#### D.1 Natural Gas (EMU 6)

##### D.1.1 Monitoring and testing requirements

The Permittee shall base annual fuel consumption on any 12 consecutive month's time determined by adding (for each fuel) the current month's fuel usage to that of the previous eleven (11) months. The Permittee shall make these calculations monthly. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

##### D.1.2 Record Keeping Requirements

The Permittee shall record monthly and annual fuel usage. The annual fuel usage shall be calculated by adding the current month's value to the previous eleven (11) months. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

##### D.1.3 Reporting Requirements

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

## **Section III: Applicable Requirements and Compliance Demonstration**

### **D.2 TSP (EMU 6)**

D.2.1 The estimated natural gas emission factor for particulate matter is 0.047 lb/MMBTU. [Table 3.2-2 of AP-42, 5<sup>th</sup> edition]

### **D.3 NOx (EMU 6)**

#### **D.3.1 Monitoring and Testing Requirements**

- a. The Permittee shall perform NOx stack emission testing by January 19, 2006 and subsequent tests shall be conducted thereafter at least once every five, (5) calendar years to demonstrate compliance with the 0.20 lb/MMBTU limit. [RCSA Section 22-174-22(k)(1)]
- b. Compliance with the emission limitations shall be determined based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA Section 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. [RCSA Section 22a-174-22(k)(1)]

#### **D.3.2 Record Keeping Requirements**

- a. The Permittee shall use monthly and annual records of fuel use to determine whether NOx emissions in any calendar year are in excess of fifty, (50) tons. [RCSA Section 22-174-22(l)(1)(C)]
- b. The Permittee shall maintain records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA Section 22-174-22(l)(1)(D)]
- c. The Permittee shall maintain copies of all documents submitted to the Commissioner pursuant to RCSA Section 22a-174-22. The Permittee shall maintain any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA Section 22a-174-22. [RCSA Section 22-174-22(l)(1)(D)]
- d. The Permittee shall maintain records of procedures for calculating monthly and annual NOx emissions. [RCSA Section 22-174-22(l)(1)(G)]
- e. The Permittee shall maintain records of the dates, times, and places of all emission testing required by RCSA Section 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA Section 22-174-22(l)(1)(H)]

#### **D.3.3 Reporting Requirements**

- a. The Permittee shall submit a written report to the Commissioner within thirty, (30) days of completion of emission tests conducted under the requirements of RCSA Section 22a-174-22(k)(1). [RCSA Section 22-174-22(l)(2)]
- b. The Permittee shall submit a report on NOx emissions, on a form provided by the Commissioner, on or before April 15 of each year. [RCSA Section 22-174-22(l)(6)]

## Section III: Applicable Requirements and Compliance Demonstration

### E. EMISSIONS UNIT 7

Table III.E: EMISSION UNIT 7 (White Natural Gas Reciprocating Engine 6G-825)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS 1 AOS-1	Natural Gas	The natural gas use shall not exceed 29.78 MMcf/yr.	Registration 0005	E.1
SOS-1 AOS-1	TSP	The TSP emissions shall not exceed 0.10 lb/MMBtu	RCSA Section 22a-174-18(e)(2)(C)	E.2
SOS 1 AOS-1	NOx	The NOx emissions shall not exceed 2.5 grams per Brake Horsepower-Hr	RCSA Section 22a-174-22(e)	E.3

#### **E.1 Natural Gas (EMU 7)**

##### **E.1.1 Monitoring and testing requirements**

The Permittee shall base annual fuel consumption on 12 consecutive month's time determined by adding (for each fuel) the current month's fuel usage to that of the previous eleven (11) months. The Permittee shall make these calculations monthly. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

##### **E.1.2 Record Keeping Requirements**

The Permittee shall record monthly and annual fuel usage. The annual fuel usage shall be calculated by adding the current month's value to the previous eleven (11) months. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

##### **E.1.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit.

#### **E.2 TSP (EMU 7)**

E.2.1 The estimated natural gas emission factor for particulate matter is 0.047 lb/MMBTU. [Table 3.2-2 of AP-42, 5<sup>th</sup> edition]

#### **E.3 NOx (EMU 7)**

##### **E.3.1 Monitoring and testing requirements**

- a. The Permittee shall perform NOx stack emission testing by October 21, 2008. Subsequent tests shall be conducted thereafter at least once every five, (5) calendar years. [RCSA Section 22-174-22(k)(1)]

### Section III: Applicable Requirements and Compliance Demonstration

- b. Compliance with the emission limitations shall be determined based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA Section 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. [RCSA Section 22a-174-22(k)(1)]

#### E.3.2 Record Keeping Requirements

- a. The Permittee shall use monthly and annual records of fuel use to determine whether NO<sub>x</sub> emissions in any calendar year are in excess of fifty, (50) tons. [RCSA Section 22-174-22(l)(1)(C)]
- b. The Permittee shall maintain records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA Section 22-174-22(l)(1)(D)]
- c. The Permittee shall maintain copies of all documents submitted to the Commissioner pursuant to RCSA Section 22a-174-22. The Permittee shall maintain any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA Section 22a-174-22. [RCSA Section 22-174-22(l)(1)(D)]
- d. The Permittee shall maintain records of procedures for calculating monthly and annual NO<sub>x</sub> emissions. [RCSA Section 22-174-22(l)(1)(G)]
- e. The Permittee shall maintain records of the dates, times, and places of all emission testing required by RCSA Section 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA Section 22-174-22(l)(1)(H)]

#### E.3.3 Reporting Requirements

- a. The Permittee shall submit a written report to the Commissioner within thirty, (30) days of completion of emission tests conducted under the requirements of RCSA Section 22a-174-22(k)(1). [RCSA Section 22-174-22(l)(2)]
- b. The Permittee shall submit a report on NO<sub>x</sub> emissions, on a form provided by the Commissioner, on or before April 15 of each year. [RCSA Section 22-174-22(l)(6)]

### F. EMISSIONS UNITS 8, 9

Table III.F: EMISSION UNITS 8, 9 (Two identical Solar Turbine GS-350 #1 Engines)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1 AOS-1	NO <sub>x</sub> RACT Record Keeping	EMUs 8,9 shall be operated only during an emergency as defined in RCSA Section 22a-174-22(a)(4)	RCSA Section 22a-174-22	F.1
SOS-1 AOS-1	TSP	No more than 0.10 lb/MMBtu per unit	RCSA Section 22a-174-18(e)(2)(C)	F.2

### Section III: Applicable Requirements and Compliance Demonstration

#### **F.1 NO<sub>x</sub> (EMUs 8,9)**

##### **F.1.1 Record Keeping Requirements**

- a. In accordance with Section VII.F of this permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA Section 22a-174-33(o)(2)].
  1. The Permittee of a stationary source subject to RCSA Section 22a-174-22 shall keep the following records:
    - i. Daily records of operating hours, identifying the operating hours of emergency and non-emergency use. [RCSA Section 22a-174-22(l)(1)(A)]
    - ii. Records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA Section 22a-174-22(l)(1)(D)]
    - iii. Copies of all documents submitted to the Commissioner pursuant the RCSA Section 22a-174-22. [RCSA Section 22a-174-22(l)(1)(E)]

#### **F.2 TSP (EMUs 8,9)**

F.2.1 The estimated natural gas emission factor for particulate matter is 0.047 lb/MMBTU. [Table 3.2-2 of AP-42, 5<sup>th</sup> edition]

### **G. EMISSIONS UNITS 10**

<b>Table III.G: EMISSION UNITS 10 (36-48-E Liquefied Natural Gas Vaporizer)</b>				
<b>Operating Scenarios Identification</b>	<b>Pollutants or Process Parameters</b>	<b>Limitations or Restrictions</b>	<b>Applicable Regulatory References/Citations</b>	<b>Compliance Demonstration Condition Number</b>
SOS-1 AOS-1	Natural Gas	The natural gas use shall not exceed 32,000 cf/hr; The natural gas use shall not exceed 59.1 mmcf/yr.	Permit 155-0077	G.1
SOS-1 AOS-1	TSP	The TSP emissions shall not exceed 0.25 lb/hr; The TSP emissions shall not exceed 0.23 tons per year.	Permit 155-0077	G.2
SOS-1 AOS-1	PM10	The PM10 emissions shall not exceed 0.21 lb/hr; The PM10 emissions shall not exceed 0.19 tons per year.	Permit 155-0077	G.3
SOS-1 AOS-1	SO <sub>x</sub>	The SO <sub>x</sub> emissions shall not exceed 0.02 lb/hr; The SO <sub>x</sub> emissions shall not exceed 0.02 tons per year.	Permit 155-0077	G.4
SOS-1 AOS-1	NO <sub>x</sub>	The NO <sub>x</sub> emissions shall not exceed 0.20 lb/mmBtu	RCSA Section 22a-174-22(e)	G.5

### Section III: Applicable Requirements and Compliance Demonstration

**Table III.G: EMISSION UNITS 10 (36-48-E Liquefied Natural Gas Vaporizer)**

Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
		The NOx emissions shall not exceed 5.43 lb/hr; The NOx emissions shall not exceed 4.99 tons per year.	Permit 155-0077	
SOS-1 AOS-1	VOC	The VOC emissions shall not exceed 0.20 lb/hr; The VOC emissions shall not exceed 0.18 tons per year.	Permit 155-0077	G.6
SOS-1 AOS-1	CO	The CO emissions shall not exceed 2.40 lb/hr; The CO emissions shall not exceed 2.22 tons per year.	Permit 155-0077	G.7
SOS-1 AOS-1	Pb	The Pb emissions shall not exceed 0.01 lb/hr; The Pb emissions shall not exceed 0.01 tons per year.	Permit 155-0077	G.8

#### **G.1 Natural Gas (EMU 10)**

##### **G.1.1 Monitoring and testing requirements**

The Permittee shall base annual fuel consumption on 12 consecutive month's time determined by adding (for each fuel) the current month's fuel usage to that of the previous eleven (11) months. The Permittee shall make these calculations monthly. [Part VI.1 of permit 155-0077]

##### **G.1.2 Record Keeping Requirements**

The Permittee shall record monthly and annual fuel usage. The annual fuel usage shall be calculated by adding the current month's value to the previous eleven (11) months. The permittee shall make and keep records as described, for a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

##### **G.1.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

#### **G.2 TSP (EMU 10)**

##### **G.2.1 Monitoring and Testing Requirements**

- The permittee shall calculate TSP emissions using the latest AP-42 emission factors. The permittee shall determine compliance with the TSP emission limitation by using the information required in Section III.G.1.1 of this permit and multiplying this by the emission factor. [RCSA Section 22a-174-33(j)(1)(K)(ii)]
- The permittee shall demonstrate compliance with annual TSP emissions by adding the current month's emissions to the previous eleven month's emissions. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### **G.2.2 Record Keeping Requirements**

The permittee shall make and keep records of monthly and annual TSP emissions for EMU 10. Such records shall be kept, for a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

#### **G.2.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

### **G.3 PM10 (EMU 10)**

#### **G.3.1 Monitoring and Testing Requirements**

- a. The permittee shall calculate PM10 emissions using the latest AP-42 emission factors. The permittee shall determine compliance with the PM10 emission limitation by using the information required in Section III.G.1.1 of this permit and multiplying this by the emission factor. [RCSA Section 22a-174-33(j)(1)(K)(ii)]
- b. The permittee shall demonstrate compliance with annual PM10 emissions by adding the current month's emissions to the previous eleven month's emissions. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

#### **G.3.2 Record Keeping Requirements**

The permittee shall make and keep records of monthly and annual PM10 emissions for EMU 10. Such records shall be kept for, a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

#### **G.3.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

### **G.4 SOx (EMU 10)**

#### **G.4.1 Monitoring and Testing Requirements**

- a. The permittee shall calculate SOx emissions using the latest AP-42 emission factors. The permittee shall determine compliance with the SOx emission limitation by using the information required in Section III.G.1.1 of this permit and multiplying this by the emission factor. [RCSA Section 22a-174-33(j)(1)(K)(ii)]
- b. The permittee shall demonstrate compliance with annual SOx emissions by adding the current month's emissions to the previous eleven month's emissions. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

#### **G.4.2 Record Keeping Requirements**

The permittee shall make and keep records of monthly and annual SOx emissions for EMU 10. Such records shall be kept for, a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

#### **G.4.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### **G.5 NO<sub>x</sub> (EMU 10)**

##### **G.5.1 Monitoring and Testing Requirements**

- a. The Permittee shall perform NO<sub>x</sub> stack emission testing by March 6, 2007. Subsequent tests shall be conducted thereafter at least once every five, (5) calendar years. [RCSA Section 22-174-22(k)(1)]
- b. Compliance with the emission limitations shall be determined based on the average of three (3) one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA Section 22a-174-5. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. [RCSA Section 22a-174-22(k)(1)]
- c. The permittee shall calculate NO<sub>x</sub> emissions using the latest AP-42 emission factors. The permittee shall determine compliance with the NO<sub>x</sub> emission limitation by using the information required in Section III.G.1.1 of this permit and multiplying this by the emission factor. [RCSA Section 22a-174-33(j)(1)(K)(ii)]
- d. The permittee shall demonstrate compliance with annual NO<sub>x</sub> emissions by adding the current month's emissions to the previous eleven month's emissions. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

##### **G.5.2 Record Keeping Requirements**

- a. The Permittee shall use monthly and annual records of fuel use to determine whether NO<sub>x</sub> emissions in any calendar year are in excess of fifty, (50) tons. [RCSA Section 22-174-22(l)(1)(C)]
- b. The Permittee shall maintain records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA Section 22-174-22(l)(1)(D)]
- c. The Permittee shall maintain copies of all documents submitted to the Commissioner pursuant to RCSA Section 22a-174-22. The Permittee shall maintain any other records or reports required by an order or permit issued by the Commissioner pursuant to RCSA Section 22a-174-22. [RCSA Section 22-174-22(l)(1)(D)]
- d. The Permittee shall maintain records of procedures for calculating monthly and annual NO<sub>x</sub> emissions. [RCSA Section 22-174-22(l)(1)(G)]
- e. The Permittee shall maintain records of the dates, times, and places of all emission testing required by RCSA Section 22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA Section 22-174-22(l)(1)(H)]
- f. The permittee shall make and keep records of monthly and annual NO<sub>x</sub> emissions for EMU 10. Such records shall be kept for, a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

##### **G.5.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### **G.6 VOC (EMU 10)**

##### **G.6.1 Monitoring and Testing Requirements**

- a. The permittee shall calculate VOC emissions using the latest AP-42 emission factors. The permittee shall determine compliance with the VOC emission limitation by using the information required in Section III.G.1.1 of this permit and multiplying this by the emission factor. [RCSA Section 22a-174-33(j)(1)(K)(ii)]
- b. The permittee shall demonstrate compliance with annual VOC emissions by adding the current month's emissions to the previous eleven month's emissions. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

##### **G.6.2 Record Keeping Requirements**

The permittee shall make and keep records of monthly and annual VOC emissions for EMU 10. Such records shall be kept for, a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

##### **G.6.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

#### **G.7 CO (EMU 10)**

##### **G.7.1 Monitoring and Testing Requirements**

- a. The permittee shall calculate CO emissions using the latest AP-42 emission factors. The permittee shall determine compliance with the CO emission limitation by using the information required in Section III.G.1.1 of this permit and multiplying this by the emission factor. [RCSA Section 22a-174-33(j)(1)(K)(ii)]
- b. The permittee shall demonstrate compliance with annual CO emissions by adding the current month's emissions to the previous eleven month's emissions. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

##### **G.7.2 Record Keeping Requirements**

The permittee shall make and keep records of monthly and annual CO emissions for EMU 10. Such records shall be kept for, a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

##### **G.7.3 Reporting Requirements**

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

#### **G.8 Pb (EMU 10)**

##### **G.8.1 Monitoring and Testing Requirements**

- a. The permittee shall calculate Pb emissions using the latest AP-42 emission factors. The permittee shall determine compliance with the Pb emission limitation by using the information required in Section III.G.1.1 of this permit and multiplying this by the emission factor. [RCSA Section 22a-174-33(j)(1)(K)(ii)]
- b. The permittee shall demonstrate compliance with annual Pb emissions by adding the current month's emissions to the previous eleven month's emissions. [RCSA Section 22a-174-33(j)(1)(K)(ii)]

### Section III: Applicable Requirements and Compliance Demonstration

#### G.8.2 Record Keeping Requirements

The permittee shall make and keep records of monthly and annual Pb emissions for EMU 10. Such records shall be kept for, a minimum of five (5) years commencing on the date such records were created. [Section VII.F of this permit]

#### G.8.3 Reporting Requirements

The Permittee shall submit reports in accordance with the requirements of Section VII.E of this permit. [Section VII.E of this permit]

### H. PREMISES-WIDE GENERAL REQUIREMENTS

Table III.H: PREMISES-WIDE GENERAL REQUIREMENTS		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Limitations or Restrictions
Exemptions from Permitting	RCSA Section 22a-174-3b	The owner or operator of a stationary source that is an external combustion unit, an automotive refinishing operation, a nonmetallic mineral processing equipment, an emergency engine or a surface coating operation may construct and operate such source without obtaining a general permit for such source issued pursuant to CGS Section 22a-174(1) or a permit pursuant to RCSA Section 22a-174-3a in accordance with RCSA Section 22a-174-3b.
Annual Emission Statements	RCSA Section 22a-174-4	The permittee shall submit annual emission inventory statements requested by the Commissioner as specified in RCSA Section 22a-174-4
Emission Testing	RCSA Section 22a-174-5	The Permittee shall comply with the methods of sampling, emission testing, sample analysis, and reporting as specified in RCSA Section 22a-174-5.
Emergency Episode Procedures	RCSA Section 22a-174-6	The permittee shall comply with the procedures for emergency episodes as specified in RCSA Section 22a-174-6.
Malfunctions	RCSA Section 22a-174-7	The Permittee shall comply with the procedures for malfunction of control equipment as specified in RCSA Section 22a-174-7.
Public Availability of Information	RCSA Section 22a-174-10	The public availability of information shall apply, as specified in RCSA Section 22a-174-10.
Prohibition against Concealment/circumvention	RCSA Section 22a-174-11	The permittee shall comply with the prohibition against concealment or circumvention as specified in RCSA Section 22a-174-11
Particulates	RCSA Section 22a-174-18	The Permittee shall comply with the standards for control of particulate emissions as specified in RCSA Section 22a-174-18.
Open Burning	CGS Section 22a-174(f)	The permittee is prohibited from conducting open burning, except as may be allowed by CGS 22a-174(f).
Emission Fees	RCSA Section 22a-174-26	The permittee shall pay an emission fee in accordance with RCSA Section 22a-174-26(d).

## Section IV: Compliance Schedule

**NOT APPLICABLE**

TABLE IV: COMPLIANCE SCHEDULE				
Emissions units	Applicable regulations	Steps required for achieving compliance (Milestones)	Date by which each step is to be completed	Dates for monitoring, record keeping, and reporting

## **Section V: State Enforceable Terms and Conditions**

Only the Commissioner of the Department of Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

- A.** This permit does not relieve the permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this permit shall affect the Commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the permittee by the Commissioner.
- C.** Odors: The permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor beyond the property boundary of the premises as set forth in RCSA Section 22a-174-23.
- D.** Noise: The permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA Section 22a-69-1 through 22a-69-7.4, inclusive.
- E.** Hazardous Air Pollutants (HAPs): The permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA Section 22a-174-29.
- F.** Open Burning: The permittee is prohibited from conducting open burning, except as may be allowed by CGS Section 22a-174(f).
- G.** Fuel Sulfur Content: The permittee shall not use #2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS Section 16a-21a.
- H.** Climate Change: In accordance with Public Act No. 04-252 Sec. 3 paragraph (b), not later than April 15, 2006, and annually thereafter, the owner or operator of any facility that is required to report air emissions data to the Department of Environmental Protection pursuant to Title V of the federal Clean Air Act and that has stationary emissions sources that emit greenhouse gases shall report to the regional registry direct stack emissions of greenhouse gases from such sources. The owner or operator shall report all greenhouse gas emissions in a type and format that the regional registry can accommodate.

Section VI: Permit Shield

NO PERMIT SHIELD GRANTED

TABLE VI: PERMIT SHIELD				
Regulated Pollutants	Emissions Units	Applicable Requirement or Non-Applicable Requirement Descriptions	Applicable Regulatory References	*Applicability

## **Section VII: Title V Requirements**

The Administrator of the United States Environmental Protection Agency and the Commissioner of Environmental Protection have the authority to enforce the terms and conditions contained in these sections.

### **A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR**

The date of submission to the Commissioner of any document required by this permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the Commissioner under this permit shall, unless otherwise specified in writing by the Commissioner, be directed to: Office of the Assistant Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the U. S. Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, MA 02114-2023.

### **B. CERTIFICATIONS [RCSA § 22a-174-33(b)]**

In accordance with Section 22a-174-33(b) of the RCSA, any report or other document required by this Title V permit and any other information submitted to the Commissioner or Administrator shall be signed by an individual described in Section 22a-174-2a(a) of the RCSA, or by a duly authorized representative of such individual. Any individual signing any document pursuant to Section 22a-174-33(b) of the RCSA shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in Section 22a-174-2a(a)(5) of the RCSA:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

### **C. SIGNATORY RESPONSIBILITY [RCSA § 22a-174-2a(a)]**

If an authorization pursuant to Section 22a-174-2a(a) of the RCSA is no longer effective because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of Section 22a-174-2a(a)(2) of the RCSA shall be submitted to the Commissioner prior to or together with the submission of any applications, reports, forms, compliance certifications, documents or other information which is signed by an individual or a duly authorized representative of such individual pursuant to Section 22a-174-2a(a)(2) of the RCSA.

## **Section VII: Title V Requirements**

### **D. ADDITIONAL INFORMATION [RCSA § 22a-174-33(j)(1)(X)]**

The permittee shall submit additional information in writing, at the Commissioner's request, within thirty (30) days of receipt of notice from the Commissioner or by such other date specified by the Commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending the permit or to determine compliance with the permit.

In addition, within fifteen days of the date the permittee becomes aware of a change in any information submitted to the Commissioner under this permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the permittee shall submit the changed, corrected, or omitted information to the Commissioner.

### **E. MONITORING REPORTS [RCSA § 22a-174-33(o)(1)]**

A permittee, required to perform monitoring pursuant this permit, shall submit to the Commissioner, on forms prescribed by the Commissioner, written monitoring reports on January 30 and July 30 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

### **F. PREMISES RECORDS [RCSA § 22a-174-33(o)(2)]**

Unless otherwise required by this permit, the permittee shall make and keep records of all required monitoring data and supporting information for at least five (5) years from the date such data and information were obtained. The permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the Commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;
8. The operating conditions at the subject source at the time of such sampling or measurement; and

## **Section VII: Title V Requirements**

9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

### **G. PROGRESS REPORTS [RCSA § 22a-174-33(q)(1)]**

The permittee shall, on January 30 and July 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner a progress report on forms prescribed by the Commissioner, and certified in accordance with Section 22a-174-2a(a)(5) of the RCSA. Such report shall describe the permittee's progress in achieving compliance under the compliance plan schedule contained in this permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in the permit which the permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this permit which the permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the permittee expects to meet them.

Any progress report prepared and submitted pursuant to Section 22a-174-33(q)(1) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

### **H. COMPLIANCE CERTIFICATIONS [RCSA § 22a-174-33(q)(2)]**

The permittee shall, on January 30 of each year, or on a more frequent schedule if specified in this permit, submit to the Commissioner, a written compliance certification certified in accordance with Section 22a-174-2a(a)(5) of the RCSA and which includes the information identified in Title 40 CFR 70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to Section 22a-174-33(q)(2) of the RCSA shall be simultaneously submitted by the permittee to the Administrator.

### **I. PERMIT DEVIATION NOTIFICATIONS [RCSA § 22a-174-33(p)]**

Notwithstanding Subsection D of Section VII of this permit, the permittee shall notify the Commissioner in writing, on forms prescribed by the Commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than twenty-four (24) hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten (10) days after such deviation commenced.

### **J. PERMIT RENEWAL [RCSA § 22a-174-33(j)(1)(B)]**

All of the terms and conditions of this permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with Sections 22a-174-33(g), -33(h), and -33(i) of the RCSA.

## **Section VII: Title V Requirements**

### **K. OPERATE IN COMPLIANCE [RCSA § 22a-174-33(j)(1)(C)]**

The permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

### **L. COMPLIANCE WITH PERMIT [RCSA § 22a-174-33(j)(1)(G)]**

This permit shall not be deemed to:

1. Preclude the creation or use of emission reduction credits or the trading of such credits in accordance with Sections 22a-174-33(j)(1)(I) and 22a-174-33(j)(1)(P) of the RCSA, provided that the Commissioner's prior written approval of the creation, use, or trading is obtained;
2. Authorize emissions of an air pollutant so as to exceed levels prohibited under, 40 CFR Part 72;
3. Authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. Impose limits on emissions from items or activities specified in Sections 22a-174-33(g)(3)(A) and (B) of the RCSA unless imposition of such limits is required by an applicable requirement.

### **M. INSPECTION TO DETERMINE COMPLIANCE [RCSA § 22a-174-33(j)(1)(M)]**

The Commissioner may, for the purpose of determining compliance with the permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under the permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

### **N. PERMIT AVAILABILITY**

The permittee shall have available at the facility at all times a copy of this Title V Operating Permit.

### **O. SEVERABILITY CLAUSE [RCSA § 22a-174-33(j)(1)(R)]**

The provisions of this permit are severable. If any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the remainder of this permit and the application of such provision to other circumstances shall not be affected.

### **P. NEED TO HALT OR REDUCE ACTIVITY [RCSA § 22a-174-33(j)(1)(T)]**

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

## **Section VII: Title V Requirements**

### **Q. PERMIT REQUIREMENTS [RCSA § 22a-174-33(j)(1)(V)]**

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the permittee's obligation to comply with this permit.

### **R. PROPERTY RIGHTS [RCSA § 22a-174-33(j)(1)(W)]**

This permit does not convey any property rights or any exclusive privileges. This permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including Section 4-181a(b) of the Connecticut General Statutes and Section 22a-3a-5(b) of the RCSA. This permit shall neither create nor affect any rights of persons who are not parties to this permit.

### **S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA § 22a-174-33(o)(3)]**

The permittee shall, contemporaneously with making a change authorized by this permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

### **T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA § 22a-174-33(r)(2)]**

The permittee may engage in any action allowed by the Administrator in accordance with 40 CFR 70.4(b)(12)(i) to (iii)(B) inclusive, and 40 CFR 70.4(b)(14)(i) to (iv), inclusive without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. Constitute a modification under 40 CFR 60, 61 or 63,
2. Exceed emissions allowable under the subject permit,
3. Constitute an action which would subject the permittee to any standard or other requirement pursuant to 40 CFR 72 to 78, inclusive, or
4. Constitute a non-minor permit modification pursuant to Section 22a-174-2a(d)(4) of the RCSA.

At least seven (7) days before initiating an action specified in Section 22a-174-33(r)(2)(A) of the RCSA, the permittee shall notify the Administrator and the Commissioner in writing of such intended action.

### **U. INFORMATION FOR NOTIFICATION [RCSA § 22a-174-33(r)(2)(A)]**

Written notification required under Section 22a-174-33(r)(2)(A) of the RCSA shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The permittee shall thereafter maintain a copy of such notice with the Title V permit. The Commissioner and the permittee shall each attach a copy of such notice to their copy of the permit.

## **Section VII: Title V Requirements**

### **V. TRANSFERS [RCSA § 22a-174-2a(g)]**

No person other than the permittee shall act or refrain from acting under the authority of this permit unless this permit has been transferred to another person in accordance with Section 22a-174-2a(g) of the RCSA.

The proposed transferor and transferee of a permit shall submit to the Commissioner a request for a permit transfer on a form provided by the Commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The Commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS Section 22a-6m.

### **W. REVOCATION [RCSA § 22a-174-2a(h)]**

The Commissioner may revoke this permit on his own initiative or on the request of the permittee or any other person, in accordance with Section 4-182(c) of the Connecticut General Statutes, Section 22a-3a-5(d) of the RCSA, and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The permittee requesting revocation of this permit shall state the requested date of revocation and provide the Commissioner with satisfactory evidence that the emissions authorized by this permit have been permanently eliminated.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this permit if the Administrator has determined that the Commissioner failed to act in a timely manner on a permit renewal application.

This permit may be modified, revoked, reopened, reissued, or suspended by the Commissioner, or the Administrator in accordance with Section 22a-174-33(r) of the RCSA, Connecticut General Statutes Section 22a-174c, or Section 22a-3a-5(d) of the RCSA.

### **X. REOPENING FOR CAUSE [RCSA § 22a-174-33(s)]**

This permit may be reopened by the Commissioner, or the Administrator in accordance with Section 22a-174-33(s) of the RCSA.

### **Y. CREDIBLE EVIDENCE**

Notwithstanding any other provision of this permit, for the purpose of determining compliance or establishing whether a permittee has violated or is in violation of any permit condition, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information.